QC ABSTRACT

Nameof Work:Road and footpath maintenance in ward No.15,BBMP, Bangalore.

Sl. No.	Item	Quantity As Per BOQ	Required No's of testes	Actual No's of testes	Testes	Frequency
1	Materials	–	1	1	Cement Sand, Aggregates	One Test Per Lot
2	Slab (100mm)	250.2 Sqm	1	1	Concrete Core Compressive Strength	-

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CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No: CACE /BBMP/VGA/W.no.15/2022-23 Date: 28.06.2022

TEST REPORT

CLIENT	:	**Assistant Executive Engineer, Dasarahalli Sub division, BBMP, Banglore.**
AGENCY	:	**Sri. T V Gangappa ,** Contractor ,Bangalore.
NAME OF THE WORK	:	Road and footpath maintenance in ward No.15,BBMP, Bangalore.
SAMPLE ID	:	Cement (Zuari OPC 53 Grade)
DATE OF MANUFACTURE		October- 2021
DATE OF TESTING		27.06.2022 to 28.06.2022
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	a) Initial Setting Time	IS-4031 (Part -5)	134 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	342 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	2 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	30.00 %	-

Note:

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⇒ The results indicated above are based on the tests carried out on the samples collected at the site.

⇒ Any Query regarding the report must be reported within 30days from the date of testing.

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Date :28.06.2022

TEST REPORT ON FINE AGGREGATES (SAND)

Client : Assistant Executive Engineer, Dasarahalli Sub division, BBMP, Banglore.

Agency : Sri. T V Gangappa , Contractor ,Bangalore.

Name of Work : Road and footpath maintenance in ward No.15,BBMP, Bangalore.

Date of Testing :28.06.2022

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : Sand

Total Wt. of Aggregates in gms 1000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	88	8.80	8.80	91.2	90-100
2.36	126	12.60	21.40	78.6	75-100
1.18	180	18.00	39.40	60.6	55-90
600 Micron	164	16.40	55.80	44.2	35-59
300 Micron	255	25.50	81.30	18.7	8-30
150 Micron	130	13.00	94.30	5.7	0-10

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Job No.: CACE /BBMP/VGA/W.no.15/2022-23

Date : 28.06.2022

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Assistant Executive Engineer, Dasarahalli Sub division, BBMP, Banglore.**

Agency : **Sri. T V Gangappa , Contractor ,Bangalore.**

Name of Work : Road and footpath maintenance in ward No.15,BBMP, Bangalore.

Date of Testing : 28.06.2022

Material : Sand(Masonry)

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	20	2.00	2.00	98.0	90-100
1.18	34	3.40	5.40	94.6	70-100
600 Micron	81	8.10	13.50	86.5	40-100
300 Micron	180	18.00	31.50	68.5	5-70
150 Micron	542	54.20	85.70	14.3	0-15

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Job No.: CACE /BBMP/VGA/W.no.15/2022-23

Date: 28.06.2022

PRECAST SLAB 100mm Thick(CORE) TEST REPORT

Client	:	**Assistant Executive Engineer, Dasarahalli Sub division, BBMP, Banglore.**
Contractor	:	**Sri. T V Gangappa , Contractor ,Bangalore.**
Name of Work	:	Road and footpath maintenance in ward No.15,BBMP, Bangalore.
No.of Sample Tested	:	03
Date of Testing	:	28.06.2022
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	86.00	0.395	2339.21	1.72	0.970	33.90	17.27	18.65	18.08	22.60
2	50.00	82.00	0.369	2291.83	1.64	0.961	31.90	16.25	17.55	16.86	21.08
3	50.00	84.00	0.385	2334.27	1.68	0.965	32.50	16.55	17.88	17.26	21.57

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